
What is claimed is:

1. A trailer dolly comprising:
a motor;
at least one wheel;
a transmission coupled between the motor and the wheel and which includes both a forward drive and a reverse drive and which can transmit a rotational force through either the forward drive or the reverse drive from the motor to the wheel; and
a trailer coupler coupled to the wheel in a position at which the wheel can support a weight of a trailer coupled at the trailer coupler.
2. The trailer dolly of Claim 1 further comprising:
a clutch which enables selective engagement and disengagement of the transmission to the motor.
3. The trailer dolly of Claim 2 wherein the clutch is a centrifugal clutch.
4. The trailer dolly of Claim 3 wherein the transmission comprises:
a sliding member which can engage either the forward drive or the reverse drive.
5. The trailer dolly of Claim 4 wherein the centrifugal clutch comprises a clutch cylinder and further wherein the clutch cylinder slides with the sliding member and is engageable whether the sliding member is engaging the forward drive or the reverse drive.
6. The trailer dolly of Claim 1 wherein the motor is an internal combustion engine.
7. The trailer dolly of Claim 1 wherein the transmission comprises:

a sliding member which engages the forward drive when the sliding member is in a forward drive position and engages the reverse drive when the sliding member is in a reverse drive position.

8. The trailer dolly of Claim 7 wherein the sliding member includes forward and reverse gears which rotate together;

further wherein the transmission further comprises a driven gear;

further wherein engagement of the forward drive comprises engagement of the forward gear with the driven gear to drive the driven gear in a first direction; and

further wherein engagement of the reverse drive comprises engagement of the reverse gear with the driven gear to drive the driven gear in a second direction which is opposite to the first direction.

9. The trailer dolly of Claim 8 wherein the forward, reverse, and driven gears are bevel gears.

10. The trailer dolly of Claim 7 wherein the forward drive includes a forward rotating member which rotates in a first direction to drive a forward band when driven by the motor;

further wherein the reverse drive includes a reverse rotating member which rotates in a second direction, which is different than the first direction, to drive a reverse band when driven by the motor; and

further wherein the sliding member engages the forward rotating member when in the forward drive position and engages the reverse rotating member when in the reverse drive position.

11. The trailer dolly of Claim 10 wherein the forward and reverse rotating members are forward and reverse sprockets, respectively; and

further wherein the forward and reverse bands are forward and reverse chains, respectively.

12. The trailer dolly of Claim 10 wherein the forward and reverse rotating members are forward and reverse pulleys, respectively; and

further wherein the forward and reverse bands are forward and reverse belts, respectively.

13. The trailer dolly of Claim 12 wherein the forward and reverse belts are forward and reverse V-belts, respectively.

14. The trailer dolly of Claim 12 wherein the forward and reverse belts are forward and reverse notched belts, respectively.

15. The trailer dolly of Claim 10 wherein the sliding member comprises a dog-tooth gear which is capable of engaging matching holes with the forward and reverse rotating members.

16. The trailer dolly of Claim 10 wherein the transmission includes at least one drive reduction which in turn includes at least two reduction rotating members and a reduction band operatively coupled to the reduction rotating members.

17. A trailer dolly comprising:

a motor;

at least one wheel operatively coupled to the motor;

a trailer coupler coupled to the wheel in a position at which the wheel can support a weight of a trailer coupled at the trailer coupler; and

a lifting handle mounted to an assembly which includes the motor and the wheel substantially at a center of gravity of the assembly when the assembly is in a substantially horizontal orientation.

18. The trailer dolly of Claim 17 further comprising:
a transmission which includes a forward drive and a reverse drive operatively coupled between the motor and the wheel to thereby apply a force of the motor to the wheel through a selected one of the forward and reverse drives.
19. The trailer dolly of Claim 17 wherein the motor is an internal combustion engine.
20. A mounting system attachable to a trailer capable of being maneuvered by a trailer dolly, the mounting system comprising:
a mounting member which is adapted to receive, support, and hold the trailer dolly.
21. A method for transporting a trailer dolly with a trailer which is maneuverable by use of the trailer dolly, the method comprising:
lifting the trailer dolly by a handle of the trailer dolly;
placing the trailer dolly in a mounted position wherein a trailer dolly mount of the trailer supports the trailer dolly.
22. The method of Claim 21 wherein the trailer dolly mount includes a protrusion which fits into a mount recess of the trailer dolly; and
further wherein the mounted position includes the protrusion positioned within the mount recess.
23. The method of Claim 21 wherein the trailer dolly mount include a case which is designed to support and enclose the trailer dolly; and
further wherein the mounted position includes the trailer dolly positioned and enclosed within the case.
24. The method of Claim 21 wherein the mounted position is such that the trailer

dolly mount holds the trailer dolly substantially immobilized for secure transportation of the trailer dolly in the mounted position by towing of the trailer.